AMENDMENTS TO THE CLAIMS

Listing of Claims:

- 1. (Cancelled)
- 2. (Currently Amended) A liquid, 100 % solids, non-self fluxing, one-part underfill composition, consisting essentially of comprising:

from 5% to 30% by weight of a monofunctional unsaturated photocurable component,

from 10% to 45% <u>by weight</u> of a polyfunctional epoxy resin, from 0.3% to 3% <u>by weight</u> of at least one photoinitiator, from 40% - 70% <u>by weight</u> of a non-electrically conductive filler, said underfill in the thermoset state exhibiting a flexural modulus of from 1000 to 5000 MPa at 20 °C, and a coefficient of thermal expansion below its glass transition temperature of from 15 to 50 ppm/°C.

3-6 (Cancelled)

- 7. (NEW) The underfill composition according to claim 2 wherein said photocurable component includes ethylenic unsaturated monomer or mixture of monomers having at least 6 carbon atoms.
- 8. (NEW) The underfill composition according to claim 7 wherein said ethylenic unsaturated monomer or mixture of monomers are selected from the group consisting of vinyl esters, vinyl ethers, a,B- unsaturated acrylate esters, and their mixtures thereof.

- 9. (NEW) The underfill composition according to claim 8 wherein said photocurable components are ethylenically unsaturated acrylate monomers or unsaturated oligomers and combinations thereof.
- 10. (NEW) The underfill composition according to claim 9 wherein said photocurable components ethylenically unsaturated acrylate monomers includes at least one compound from the group consisting of C3-C12 alkyl esters of acrylic acid and C1-C4 alkyl-substituted C3-C12 ester of acrylic acid.
- 11. The underfill composition according to claim 10 wherein said (NEW) ethylenically unsaturated acrylate monomers include at least one compound selected from the group consisting of butylacrylate, ethylmethacrylate, butylmethacrylate, t-butyl methacrylate, cyclohexyl methacrylate, trimethylcyclohexylmethacrylate, cyclic ether acrylates, monocyclic acetal acrylate, acetoacetoxyethyl methacrylate, 2- acetoacetoxyethyl acrylate, 2acetoacetoxypropyl methacrylate, 2- acetoacetoxypropyl acrylate, 2acetoacetamidoethyl methacrylate, 2- acetoacetamidoethyl acrylate, 2cyanoacetoxyethyl methacrylate, 2- cyanoacetoxyethyl acrylate, N(2cyanoacetoxyethyl) acrylam ide, 2- propionylacetoxyethyl acrylate, N(2propionylacetoxyethyl) methacrylamide, N-4- (acetoacetoxybenzyl) phenylacrylamide, ethylacryloyl acetate, acryloylmethyl acetate, Nethacryloyloxymethylacetoacetamide, ethylmethacryloyl acetoacetate, Nallylcyanoacetamide, methylacryloyl acetoacetate, N(2- methacryloyloxymethyl) cyanoacetamide, ethyl-a-acetoacetoxy methacrylate, Nbutyl-Nacryloyloxyethylacetoacetamide, monoacrylated polyols, monomethacryloyloxyethyl phthalate, and their mixtures thereof.
- 12. (NEW) The underfill composition according to claim 9 wherein said unsaturated oligomers contain at least one pendant or terminal ethylenic unsaturated group.

- 13. (NEW) The underfill composition according to claim 12 wherein said unsaturated oligomers contain two terminal unsaturated groups.
- 14. (NEW) The underfill composition according to claim 12 wherein said unsaturated oligomers have an average number of one to two unsaturated groups when said unsaturated oligomers have a molecular weight from 500 to 3000.
- 15. (NEW) The underfill composition according to claim 14 wherein said unsaturated oligomers are said photocurable component is an unsaturated oligomer selected from the group consisting of bis-phenol-polyether acrylates, vinylether capped oligomer, acrylated epoxy resin, ethylenically unsaturated polyalkylethers, poly(cyclic) ether acrylates, polycyclic (ether) acetal acrylate, urethane acrylate oligomer, and their mixtures thereof.